

# HiFill® POM CO GB30 HF

Acetal (POM) Copolymer  
Techmer Engineered Solutions

Message:

HiFill® POM CO GB30 HF is an Acetal (POM) Copolymer product filled with 30% glass bead. It can be processed by injection molding and is available in North America.  
Characteristics include:  
Flame Rated  
High Flow

General Information			
Filler / Reinforcement	Glass Bead,30% Filler by Weight		
Features	High Flow		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.62	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.4	%	ASTM D955
Water Absorption (24 hr)	0.25	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	40.0	MPa	ASTM D638
Tensile Elongation (Break)	9.0	%	ASTM D638
Flexural Modulus	3450	MPa	ASTM D790
Flexural Strength	70.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	161	°C	
1.8 MPa, Unannealed	118	°C	
Melting Temperature	166	°C	ISO 11357-3
CLTE - Flow	6.3E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Dielectric Strength	18	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94

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Recommended distributors for this material

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